



Water-Data Report 2008

08176900 Coleto Creek at Arnold Road Crossing near Schroeder, TX

Guadalupe Basin
Lower Guadalupe Subbasin

LOCATION.--Lat 28°51'41", long 97°13'34" referenced to North American Datum of 1927, Goliad County, TX, Hydrologic Unit 12100204, on right bank at downstream side of Arnold Road Crossing, 0.7 mi downstream from confluence of Twelvemile and Fifteenmile Creeks, 3.2 mi north of Schroeder, 12.8 mi upstream from Coleto Creek Reservoir, and 26.0 mi upstream from mouth.

DRAINAGE AREA.--357 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Oct. 1978 to current year.

GAGE.--Water-stage recorder. Datum of gage is 100.43 ft above NGVD of 1929. Satellite telemeter at station.

REMARKS.--Records fair. No known regulation or diversions.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharges since at least 1872 at site 3.5 mi downstream, 122,000 ft³/s Sept. 21, 1967 (slope-area measurement of peak flow), 63,700 ft³/s Oct. 16, 1946, and 46,700 ft³/s in Oct. 1925, from information by local resident.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,080 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jul 9	1815	*88	*5.68

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	17	12	13	12	12	11	10	11	1.7	0.32	0.60	2.4
2	17	12	13	12	12	12	9.9	9.6	1.7	0.68	0.48	2.1
3	17	12	12	12	12	12	9.9	8.4	1.6	0.77	0.32	1.7
4	16	12	12	12	13	11	9.7	7.3	1.5	1.1	0.17	1.4
5	16	11	12	12	13	11	9.8	6.8	1.4	1.8	0.30	1.1
6	16	11	12	12	12	12	9.5	6.8	1.4	3.3	0.44	0.90
7	15	11	12	13	12	16	9.4	6.6	1.4	3.1	0.23	0.80
8	16	11	12	13	12	15	9.2	6.1	1.3	3.7	0.15	0.62
9	17	11	12	13	12	14	8.8	5.9	1.2	45	0.09	0.57
10	16	11	12	13	12	13	8.5	5.6	1.00	51	0.04	1.3
11	16	11	12	11	12	13	8.1	5.2	0.93	29	0.01	1.8
12	15	11	12	11	12	14	7.6	5.0	0.86	14	0.00	1.4
13	15	11	13	11	12	14	7.3	5.0	0.76	8.6	0.00	0.95
14	14	11	13	11	17	14	7.1	5.1	0.75	6.0	0.00	0.72
15	15	11	13	11	15	12	7.0	4.9	0.70	5.0	0.00	0.55
16	15	10	13	15	14	12	7.0	4.8	0.60	4.1	0.00	0.37
17	25	11	12	14	15	12	7.1	4.7	0.51	3.5	0.00	0.26
18	47	11	12	15	14	12	8.7	4.7	0.47	3.0	0.22	0.18
19	27	11	12	21	14	12	8.1	4.4	0.40	2.6	2.0	0.14
20	21	11	13	22	14	12	7.9	4.1	0.33	2.4	2.3	0.09
21	17	12	13	24	14	12	8.5	3.9	0.35	2.1	7.7	0.05
22	16	13	12	21	13	12	8.1	3.7	0.94	1.8	9.4	0.02
23	14	12	12	19	13	12	7.6	3.5	1.7	2.0	6.3	0.01
24	14	13	12	17	12	11	7.3	3.3	1.2	2.4	7.4	0.00
25	13	14	12	16	12	11	7.2	3.0	0.89	2.1	9.0	0.00
26	13	14	13	15	12	11	9.7	2.9	0.64	1.7	6.4	0.00
27	13	14	13	15	11	11	11	2.6	0.43	1.4	5.1	0.00
28	13	13	13	14	11	10	16	2.4	0.29	1.4	3.8	0.00
29	12	13	13	14	11	11	17	2.4	0.22	1.2	3.2	0.00
30	12	13	13	14	---	11	14	2.2	0.19	0.95	2.8	0.00
31	12	---	12	13	---	10	---	1.9	---	0.76	2.5	---
Total	522	354	385	448	370	376	277.0	153.8	27.36	206.78	70.95	19.43
Mean	16.8	11.8	12.4	14.5	12.8	12.1	9.23	4.96	0.91	6.67	2.29	0.65
Max	47	14	13	24	17	16	17	11	1.7	51	9.4	2.4
Min	12	10	12	11	11	10	7.0	1.9	0.19	0.32	0.00	0.00
Ac-ft	1,040	702	764	889	734	746	549	305	54	410	141	39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	102	100	42.2	56.4	70.0	75.1	115	118	139	75.7	40.5	88.2
Max	895	726	301	400	486	447	1,021	608	1,191	1,233	602	920
(WY)	(1999)	(2005)	(1987)	(1979)	(1992)	(2007)	(1997)	(1979)	(1997)	(2007)	(2001)	(1998)
Min	0.00	0.05	0.94	2.62	2.71	2.78	1.56	0.29	0.48	0.05	0.00	0.00
(WY)	(2001)	(1990)	(1990)	(1990)	(1996)	(1996)	(1996)	(1996)	(2001)	(2001)	(1996)	(1989)

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	Calendar Year 2007	Water Year 2008	Water Years 1979 - 2008	
Annual total	70,302.7	3,210.32		
Annual mean	193	8.77	85.0	
Highest annual mean			222	1997
Lowest annual mean			2.47	1989
Highest daily mean	9,530	Jul 2	51	Jul 10
Lowest daily mean	6.4	Jan 13	0.00	Aug 12
Annual seven-day minimum	7.4	Jan 10	0.00	Sep 24
Maximum peak flow			88	Jul 9
Maximum peak stage			5.68	Jul 9
Annual runoff (ac-ft)	139,400		6,370	44,500
10 percent exceeds	344		15	Jun 22, 1997
50 percent exceeds	24		11	0.00
90 percent exceeds	11		0.39	Aug 20, 1989
				31.17
				Jun 22, 1997
				61,610
				76
				12
				0.94

